

STN STRUCTURE SEARCH C#11

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* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	AUG 09	INSPEC enhanced with 1898-1968 archive
NEWS	4	AUG 28	ADISCTI Reloaded and Enhanced
NEWS	5	AUG 30	CA(SM)/CAplus(SM) Austrian patent law changes
NEWS	6	SEP 21	CA/CAplus fields enhanced with simultaneous left and right truncation
NEWS	7	SEP 25	CA(SM)/CAplus(SM) display of CA Lexicon enhanced
NEWS	8	SEP 25	CAS REGISTRY(SM) no longer includes Concord 3D coordinates
NEWS	9	SEP 25	CAS REGISTRY(SM) updated with amino acid codes for pyrrolysine
NEWS	10	SEP 28	CEABA-VTB classification code fields reloaded with new classification scheme
NEWS	11	OCT 19	LOGOFF HOLD duration extended to 120 minutes
NEWS	12	OCT 19	E-mail format enhanced
NEWS	13	OCT 23	Option to turn off MARPAT highlighting enhancements available
NEWS	14	OCT 23	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS	15	OCT 23	The Derwent World Patents Index suite of databases on STN has been enhanced and reloaded
NEWS	16	OCT 30	CHEMLIST enhanced with new search and display field
NEWS	17	NOV 03	JAPIO enhanced with IPC 8 features and functionality
NEWS	18	NOV 10	CA/CAplus F-Term thesaurus enhanced
NEWS	19	NOV 10	STN Express with Discover! free maintenance release Version 8.01c now available
NEWS	20	NOV 20	CAS Registry Number crossover limit increased to 300,000 in additional databases
NEWS	21	NOV 20	CA/CAplus to MARPAT accession number crossover limit increased to 50,000
NEWS	22	DEC 01	CAS REGISTRY updated with new ambiguity codes
NEWS	23	DEC 11	CAS REGISTRY chemical nomenclature enhanced
NEWS	24	DEC 14	WPIDS/WPINDEX/WPIX manual codes updated
NEWS	25	DEC 14	GBFULL and FRFULL enhanced with IPC 8 features and functionality
NEWS	26	DEC 18	CA/CAplus pre-1967 chemical substance index entries enhanced with preparation role
NEWS	27	DEC 18	CA/CAplus patent kind codes updated
NEWS	28	DEC 18	MARPAT to CA/CAplus accession number crossover limit increased to 50,000
NEWS	29	DEC 18	MEDLINE updated in preparation for 2007 reload
NEWS	30	DEC 27	CA/CAplus enhanced with more pre-1907 records
NEWS EXPRESS			NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS LOGIN			Welcome Banner and News Items
NEWS IPC8			For general information regarding STN implementation of IPC 8

NEWS X25 X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 15:02:14 ON 06 JAN 2007

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 15:02:32 ON 06 JAN 2007

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STRUCTURE FILE UPDATES: 5 JAN 2007 HIGHEST RN 916882-34-3

DICTIONARY FILE UPDATES: 5 JAN 2007 HIGHEST RN 916882-34-3

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<http://www.cas.org/ONLINE/UG/regprops.html>

=>

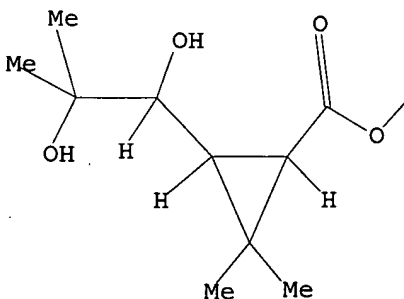
Uploading C:\Program Files\Stnexp\Queries\10549310-claim11.str

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 15:02:55 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1 TO ITERATE

100.0% PROCESSED 1 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 1 TO 80

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 15:02:59 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 60 TO ITERATE

100.0% PROCESSED 60 ITERATIONS

8 ANSWERS

SEARCH TIME: 00.00.01

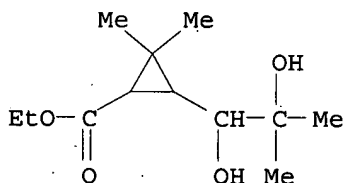
L3 8 SEA SSS FUL L1

=> d l3 scan

L3 8 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN

IN Cyclopropanecarboxylic acid, 3-(1,2-dihydroxy-2-methylpropyl)-2,2-dimethyl-, ethyl ester (9CI)

MF C12 H22 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

172.10

172.31

FILE 'CAPLUS' ENTERED AT 15:03:15 ON 06 JAN 2007

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FILE LAST UPDATED: 5 Jan 2007 (20070105/ED)

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<http://www.cas.org/infopolicy.html>

=> s l3

L4 12 L3

=> s l4 and bismuth

133127 BISMUTH

L5 3 L4 AND BISMUTH

=> d l5 ibib abs hitstr 1-

YOU HAVE REQUESTED DATA FROM 3 ANSWERS - CONTINUE? Y/(N):y

L5 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:857542 CAPLUS

DOCUMENT NUMBER: 141:331831

TITLE: Process for preparation of aldehydes

INVENTOR(S): Takano, Naoyuki; Hagiya, Koji

PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan

SOURCE: PCT Int. Appl., 20 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004087634	A1	20041014	WO 2004-JP4069	20040324
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
JP 2004315506	A	20041111	JP 2004-79800	20040319
EP 1609776	A1	20051228	EP 2004-722950	20040324
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
CN 1761640	A	20060419	CN 2004-80007533	20040324
US 2006089506	A1	20060427	US 2005-549310	20050916
PRIORITY APPLN. INFO.:			JP 2003-93752	A 20030331
			WO 2004-JP4069	W. 20040324

OTHER SOURCE(S): MARPAT 141:331831

AB This invention pertains to a method for producing carbonyl compds. with general formula of R1COR3 and R2COR4 [wherein R1-R4 = independently (un)substituted alkyl, aryl, aralkyl, acyl, etc.], which comprises

reacting diols HO-C(R1)(R3)-C(R2)(R4)-OH with Br₂ or an inorg. bromine compound in the presence of a bismuth(III) compound and a base. For example, trans-3,3-dimethyl-2-(1,2-dihydroxy-2-methylpropyl)cyclopropanecarboxylic acid Me ester was treated with Br₂ and Ph₃Bi in MeCN in the presence of K₂CO₃ to give trans-3,3-dimethyl-2-formylcyclopropanecarboxylic acid Me ester (88%). This invention provides a method to prepare carbonyl compds. with less expensive B₂ with industrial advantages.

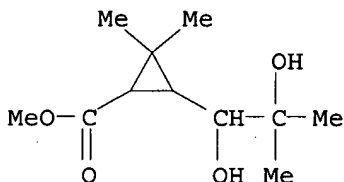
IT 18228-66-5 401910-17-6 770720-11-1

RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of aldehydes by oxidation of 1,2-diols with bromine)

RN 18228-66-5 CAPLUS

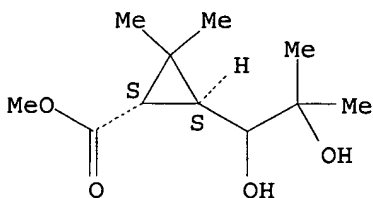
CN Cyclopropanecarboxylic acid, 3-(1,2-dihydroxy-2-methylpropyl)-2,2-dimethyl-, methyl ester (8CI, 9CI) (CA INDEX NAME)



RN 401910-17-6 CAPLUS

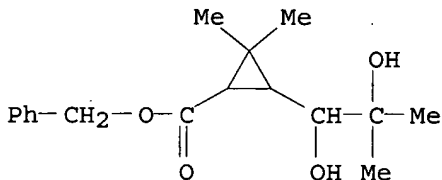
CN Cyclopropanecarboxylic acid, 3-(1,2-dihydroxy-2-methylpropyl)-2,2-dimethyl-, methyl ester, (1R,3R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 770720-11-1 CAPLUS

CN Cyclopropanecarboxylic acid, 3-(1,2-dihydroxy-2-methylpropyl)-2,2-dimethyl-, phenylmethyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT:

2

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:857541 CAPLUS

DOCUMENT NUMBER: 141:331830

TITLE: Process for producing formylcyclopropane derivatives

INVENTOR(S): Takano, Naoyuki; Hagiya, Koji

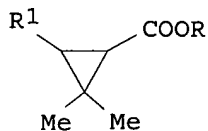
PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan

SOURCE: PCT Int. Appl., 18 pp.

DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

CODEN: PIXXD2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004087633	A1	20041014	WO 2004-JP4064	20040324
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
JP 2004315505	A	20041111	JP 2004-79799	20040319
PRIORITY APPLN. INFO.:			JP 2003-93751	A 20030331
OTHER SOURCE(S):			MARPAT 141:331830	
GI				



AB This document discloses a process for producing an aldehyde compound represented by the formula I (R represents (un)substituted alkyl, (un)substituted aryl, or (un)substituted aralkyl; R1 represents CHO) characterized by reacting a diol compound represented by the formula I (R has the same meaning as defined above; R1 represents Me₂(OH)CCHOH) with an N-bromoamide compound or N-bromoimide compound in the presence of a bismuth compound and a base. I are intermediates for insecticides, etc. Thus, treatment of trans-3,3-dimethyl-2-(1,2-dihydroxy-2-methylpropyl)cyclopropanecarboxylic acid Me ester in acetonitrile with N-bromosuccinimide in the presence of triphenylbismuth and potassium carbonate gave trans-3,3-dimethyl-2-formylcyclopropanecarboxylic acid Me ester in 89% yield.

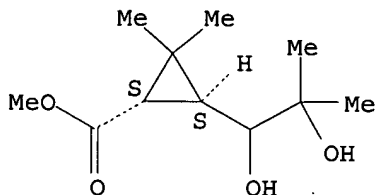
IT 401910-17-6

RL: RCT (Reactant); RACT (Reactant or reagent)
 (process for producing formylcyclopropane derivs. by reacting (dihydroxymethylpropyl)cyclopropane derivs. with N-bromoamide or N-bromoimide in presence of bismuth compound and base)

RN 401910-17-6 CAPLUS

CN Cyclopropanecarboxylic acid, 3-(1,2-dihydroxy-2-methylpropyl)-2,2-dimethyl-, methyl ester, (1R,3R)-rel- (9CI) (CA INDEX NAME)

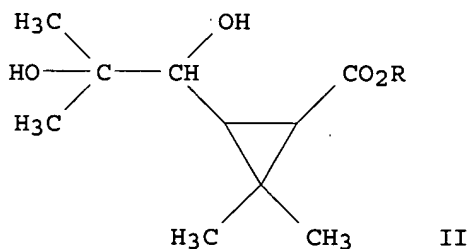
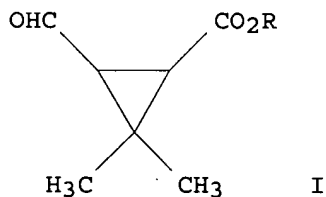
Relative stereochemistry.



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STM
ACCESSION NUMBER: 2003:633634 CAPLUS
DOCUMENT NUMBER: 139:179814
TITLE: Oxidation process for the production of
trans-3,3-dimethyl-2-formylcyclopropane carboxylic
acid esters
INVENTOR(S): Takano, Naoyuki; Hagiya, Koji
PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan
SOURCE: PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003066566	A1	20030814	WO 2003-JP954	20030131
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
JP 2003300935	A	20031021	JP 2002-367822	20021219
AU 2003206131	A1	20030902	AU 2003-206131	20030131
PRIORITY APPLN. INFO.:			JP 2002-32556	A 20020208
			WO 2003-JP954	W 20030131
OTHER SOURCE(S):			CASREACT 139:179814; MARPAT 139:179814	
GI				



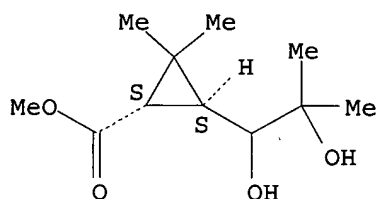
AB A process for the production of a cyclopropanealdehyde [I; R = (un)substituted alkyl, (un)substituted aryl, (un)substituted aralkyl; e.g., Me trans-3,3-dimethyl-2-formylcyclopropanecarboxylate] includes reacting a cyclopropanediol compound [II; e.g., Me trans-3,3-dimethyl-2-(1,2-dihydroxy-2-methylpropyl)cyclopropanecarboxylate] with an oxidizing agent selected from a periodic acid compound (e.g., sodium periodate), a hypohalogenous acid compound, a bismuth compound, or an activated manganese dioxide.

IT 401910-17-6
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (oxidation process for the production of trans-3,3-dimethyl-2-formylcyclopropane carboxylic acid esters)

RN 401910-17-6 CAPLUS

CN Cyclopropanecarboxylic acid, 3-(1,2-dihydroxy-2-methylpropyl)-2,2-dimethyl-, methyl ester, (1R,3R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> FIL STNGUIDE
 COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
20.17	192.48

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-2.34	-2.34

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 LAST RELOADED: Jan 2, 2007 (20070102/UP).

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